

CHINESE ASTRONOMY & ASTROPHYSICS VOL. 11 (1987)

AUTHOR INDEX

- AI Guo-xiang 42
 Allen, R.L. 87
 BAO Meng-xian 234
 BAO Chun-xian 7
 CAO Hui-lai 119
 CAO Li-hong 94
 CAO Tian-jun 140 *
 CHEN Dao-han 306
 CHEN Jian-sheng 1,191,299
 CHEN Hai-qi 10
 CHEN Pei-sheng 307, 309
 CHEN Yan-kang 307, 309
 CHEN You-fen 149
 CHEN Fu-zhen 263
 CHU Zong-yuan 38
 CUI Zhen-xing 291
 DAI Chang-jiang 179
 DENG Zu-gan 282
 DING You-ji 57
 DONG Da-nan 149,155
 FAN Xiao-ming 1
 FAN Zhen-zi 179
 FANG Cheng 49,215
 FANG Dong-ping 282
 FENG Xing-chun 337
 GAN Wei-qun 49
 GAO Heng 307
 GAO Wei-shi 119
 GONG Rui-sheng 263,297
 GU Yi-dong 179
 GU Wei-xin 234
 GUI Yuan-xing 275
 GUO Yu-lian 119
 GUO Zi-he 207
 HAO Xiang-liang 288
 HE Xiang-tao 282
 HE Yan-ping 269
 HU Fu-xing 87
 HU Jing-yao 328
 HU You-qi 83,171
 HUANG Chang-chun 229
 HUANG Lin 10
 HUANG Yong-wei 207,337
 JIANG Shi-yang 343
 JIN Shu-ping 171
 LI Guang-hua 179
 LI Jiu-kang 41,146
 LI Qi-sheng 124,237
 LI Shou-zhong 20
 LI Ti-pei 179
 LI Wei 186
 LI Yu-lan 41
 LI Zheng-xin 25
 LI Zong-yun 76
 LIAO Xin-hao 129
 LIU Ji-ying 337
 LIU Lin 129
 LIU Ru-liang 94,263
 LIU Xie-lin 312
 LIU Xu-zhao 186
 LIU Xue-fu 15,64,244
 LIU Zi-xin 74
 LIU Zong-li 306
 LU Li 307, 309
 LU Ru-wei 234
 LU Zhu-guo 179
 MA Yu-qian 179
 MEI Bao 288
 MEI Man 307, 309
 Pauliny-Toth, I.I.K. 201
 PENG Qiu-he 76
 Porcas, R.W. 201
 QIAN Shan-jie 100
 QIAN Zhong-yu 328
 QIN Song-nian 146
 SHI Wen-min 41
 SHI Zhong-xian 162,221
 TAN Hui-song 15,64,244
 WANG De-yu 76
 WANG Gang 328
 WANG Jing-xiu 162,221
 WANG Yan-qun 83
 WANG Zhen-yi 140
 WU Guang-jie 38,41
 WU Mei 179
 WU Sheng-yin 201
 XIE Guang-zhong 7,234
 XU Ao-ao 57
 XU Chun-xian 179
 XU Lan-pin 113
 YAN Guo-ying 57
 YAN Lin-shan 38,306
 YANG Jing 307, 309
 YE Shu-hua 25
 YOU Jun-han 20,87,94,263
 YUE Zeng-yuan 105
 ZHAI Di-sheng 124,237
 ZHAN Yin 191,299
 ZHANG Cheng-mo 179
 ZHANG Er-he 320
 ZHANG Fu-jun 348
 ZHANG Ji-tong 124,237
 ZHANG Hong-qi 42
 ZHANG Jia-lü 297
 ZHANG Qi-zhou 215
 ZHANG Rong-xian 124,237
 ZHANG Xi-yuan 179
 ZHANG Yun 234, 309
 ZHAO Jun-liang 269
 ZHAO Ming 149
 ZHAO Ren-yang 100
 ZHENG Da-wei 155
 ZHENG Jia-qing 306
 ZHOU Rui-xian 354, 348
 ZHOU Xu 328
 ZHOU You-yuan 282
 ZHU Dan 105

CHINESE ASTRONOMY & ASTROPHYSICS VOL. 11 (1987)

SUBJECT INDEX

Physical Processes

- The radiative spectrum of dust heated by Population III
XIE Guang-zhong and BAO Chu-xian 7
- Cerenkov microwave line emission of hydroxyl radical
LI Shou-zhong and YOU Jun-han 20
- A non-black hole model of galactic nuclei with monopoles
PENG Qiu-he, WANG De-yu and LI Zong-yun 76
- Spectrum of dust heated by thick accretion disks of pregalactic black holes
XIE Guang-zhong, BAO Meng-xian, GU Wei-xin, LU Ru-wei
and ZHANG Yun 234
- White holes and their thermodynamics
GUI Yuan-xing 275

Quasi-Stellar Objects

- Correlation between galaxies and quasar candidates in the South Galactic Pole region
FAN Xiao-ming and CHEN Jian-sheng 1
- Objective prism survey of QSO candidates in field centered at 00h00m +0°00'
I. The northeastern quarter
ZHAN Yin and CHEN Jian-sheng 191
II. The southeastern quarter
ZHAN Yin and CHEN Jian-sheng 299
- A clustering analysis of QSO candidates
ZHOU You-yuan, FANG Dong-ping, HE Xiang-tao
and DENG Zu-gan 282
- A further study of the method of identifying absorption line systems in QSO spectra
CUI Zhen-xing 291

Radio Galaxies

- An explosion model for the formation of the radio halo of NGC 891
YOU Jun-han, R.L. ALLEN and HU Fu-xing 87
- Rapid flux variations in compact radio sources: a shell model
QIAN Shan-jie and ZHAO Ren-yang 100
- VLBI observations of 4C 39.25 at 18 and 6 cm waves
WU Sheng-yin, I.I.K. Pauliny-Toth and R.W. Porcas 201

Molecular Clouds

- Stability and thermal properties of the dark cloud L134
XU Lan-ping 113

The Crab pulsar and neutron stars

- A hard X-ray telescope and its observation of the Crab pulsar
DAI Chang-jiang, WU Mei, MA Yu-qian, LU Zhu-guo, LI Guang-hua,
ZHANG Cheng-mo, FAN Zhen-zi, XU Chun-xian, GU Yi-dong,
ZHANG Xi-yuan and LI Ti-pei 179
- The variation of the angle between the magnetic and rotation axes in a collapsing star
ZHANG Jia-lu and GONG Rui-sheng 297

Stellar Spectra

- Variations in the shell spectrum of the Be star EW Lacertae
GUO Yu-lian, CAO Hui-lai and GAO Wei-shi 119

| | |
|---|-----|
| Chromospheric activity in the H and K lines in Arcturus on 1984 February 14 QIN Song-nian and LI Jiu-kang | 146 |
| MK classifications of stars in Cygnus HUANG Chang-chun | 229 |
| Low-dispersion spectra of six Me stars HUANG Yong-wei, LIU Ji-ying and FENG Xing-chun | 337 |
| RS CVn Stars | |
| Rotational measurement and study of RS CVn binaries. II TAN Hui-song and LIU Xue-fu | 15 |
| Observational study of H-alpha in 31 RS CVn binary systems LIU Xue-fu and TAN Hui-song | 64 |
| Polarization measurement and study of 30 RS CVn stars LIU Xue-fu and TAN Hui-song | 244 |
| Infrared radiation of RS CVn systems WANG Gang, HU Jing-yao, QIAN Zhong-yu and ZHOU Xu | 328 |
| Binary Stars (other than RS CVn stars) | |
| TU Herculis: an Algol type binary with a rapidly decreasing period LI Qi-sheng, ZHAI Di-sheng, ZHANG Rong-xian and ZHANG Ji-tong | 124 |
| UBV photoelectric photometry of the 1976-1978 eclipse of VV Cephei HUANG Yong-wei and GUO Zi-he | 207 |
| Photoelectric photometry of V541 Cassiopeiae ZHANG Rong-xian, ZHANG Ji-tong, LI Qi-sheng and ZHAO Di-sheng | 237 |
| Cataclysmic variables III. AC Cancri ZHANG Er-he | 320 |
| Photoelectric observations of AD Canis Minoris and the change in its period JIANG Shi-yang | 343 |
| Novae | |
| The 1978 outburst of the recurrent nova WZ Sagittae HAO Xiang-liang and MEI Bao | 288 |
| Solar Physics | |
| Formation of the H-beta line in solar chromosphere magnetic field ZHANG Hong-qi and AI Guo-xiang | 42 |
| A non-LTE analysis of solar flare K line GAN Wei-qun and FANG Cheng | 49 |
| Double current sheet and coronal transients HU You-qiu and WANG Yan-qun | 83 |
| Tearing mode instability in the atmosphere above a sunspot CAO Tian-jun and WANG Zhen-yi | 140 |
| Formation of neutral current sheet and coronal transients HU You-qiu and JIN Shu-ping | 171 |
| Solar Observations | |
| Computation and analysis of the physical fields of a disk flare loop YAN Guo-ying, DING You-ji and XU Ao-ao | 57 |
| A comparision between hard X-ray, soft X-ray and microwave images and H-alpha isophotes of the 1980 November 5 flare SHI Zhong-xian and WANG Jing-xiu | 162 |

| | |
|---|-----|
| Fuzzy sets. Classification of solar active regions and flare prediction LIU Xu-zhao and LI Wei | 186 |
| Two-dimensional distributions of physical parameters in the prominence of 1984 March 23 ZHANG Qi-zhou and FANG Cheng | 215 |
| Evolution of network magnetic fields of solar quiet regions SHI Zhong-xian and WANG Jing-xiu | 221 |
| Comet Halley | |
| Accurate positions of Comet Halley in November 1984 CHU Zong-yuan, YAN Lin-shan and WU Guang-jie | 38 |
| Spectra of Comet Halley in March 1986 WU Guang-jie, LI Jiu-kang, SHI Wen-min and LI Yu-lan | 41 |
| Possible nuclear splitting of Comet Halley in March 1986 CHEN Dao-han, LIU Zong-li, ZHENG Jia-qing and YAN Lin-shan | 306 |
| An explosion on Comet Halley CHEN Pei-sheng, CHEN Yan-kang, LU Li, GAO Heng, YANG Jing and MEI Man | 307 |
| Infrared photometry and spectrophotometry of Comet Halley CHEN Pei-sheng, GAO Heng, ZHANG Yun, CHEN Yan-kang, Yang Jing and MEI Man | 309 |
| Celestial Mechanics | |
| An analytical averaged model of orbital resonance LIAO Xin-hao and LIU Lin | 129 |
| Fundamental Astronomy | |
| A combined determination of the Earth rotation parameters for the period 1980 January - 1984 October using data obtained with different techniques LI Zheng-xin and YE Shu-hua | 25 |
| Perihelion precession LIU Zi-xin | 74 |
| A new investigation of the secular drift of the Earth's pole ZHAO Ming, DONG Da-nan and CHEN You-fen | 149 |
| Narrow-band filtering of polar series using a multi-stage filter ZHENG Da-wei and DONG Da-nan | 155 |
| Reduction Methods | |
| A statistical method of estimating the rotation of Be stars CHEN Hai-qi and HUANG Lin | 10 |
| A simplification of the Poisson integral in the theory of spiral density waves ZHU Dan and YUE Zeng-yuan | 105 |
| Discussion of trigonometric parallaxes determined along right ascension and declination ZHAO Jun-liang and HE Yan-ping | 269 |
| Effect of source structure on the precision of baseline measurement ZHANG Fu-jun and ZHOU Rui-xian | 348 |
| Historical Astronomy | |
| Statistical analysis of Chinese historical records of fireballs LIU Xie-lin | 312 |

Active Galactic Nuclei

An analysis of the X and UV emissions of active galactic nuclei

YOU Jun-han, CHENG Fu-zhen, GONG Rui-sheng
and LIU Ru-liang

263

The X and UV emissions of active galactic nuclei

LIU Ru-liang, CAO Li-hong, YOU Jun-han
and CHENG Fu-zhen

94

